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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

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Applicants or agents file reference	FOR FURTHER SEE Notific (Form PC	cation of Transmittal of International Search Report T/ISA/220) as well as, where applicable, Item 5 below.
9.14.76888/001 International application No.	International filing date (day/month/ye	ear) (Earliest) Priority Date (day/month/year)
PCT/GB 03/03571	14/08/2003	14/08/2002
Applicant		
CREATIVE PEPTIDES SWEDEN	AB .:	
according to Article 18. A copy is being to	ansmitted to the international buleau.	ing Authority and is transmitted to the applicant
This international Search Report consists	of a total of 1 7 sheet a copy of each prior art document class	s'. d in this report.
It is also accompanied by	a copy of each prior are document one	
1. Basis of the report		the book of the interestional application in the
language in which it was filed, un	less otherwise indicated under this treff	
Authority (Rule 23.1(b)).		tion of the International application furnished to this
b. With regard to any nucleotide are was carried out on the basis of the	nd/or amino acid sequence disclosed le sequence lieting :	in the international application, the international search
	onal application in written form.	1
	emational application in computer reads	able form.
	o this Authority in written form.	_
	this Authority in computer readble for	itsting does not go beyond the disclosure in the
International application a	as filed has been furnished.	
X the statement that the Infi furnished	ormation recorded in computer readabl	form is identical to the written sequence listing has been
2. X Cartain claims were fou	ind unsearchable (See Box I).	
3. Unity of invention is lac	•	
4. With regard to the title,		:
	ubmitted by the applicant.	
the text has been establi	shed by this Authority to read as follows	52
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	Ï	: :
5. With regard to the abstract,	:	•
x the text is approved as s	ubmitted by the applicant.	
the text has been estable within one month from the	shed, according to Rule 38.2(b), by this e date of mailing of this international se	Authority as it appears in Box III. The applicant may, arch report, submit comments to this Authority.
6. The figure of the drawings to be put		
as suggested by the app		None of the figures.
because the applicant fa		•
because this figure bette	r characterizes the invention.	<u> </u>

Form PCT/ISA/210 (first sheet) (July 1998)

Form PCT/ISA/210 (second sheet) (January 2004)

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Name and mailing address of the ISA

Date of the actual completion of the international search

European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tcl. (+31-70) 340-2040. Tx. 31 651 epo ni. Fax: (+31-70) 340-3016

15 November 2004

10/12/2004

Authorized officer

Fuhr, C

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FRANK B. DEHN

INTERNATIONAL SEARCH REPORT

International Application No PCT/GB 03/03571

2022

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with Indication, where appropriate, of the relevant passages 1-9. "Design of the NARITA, MITSUAKI ET AL: X 11-14 synthetic route for peptides and proteins based on the solubility prediction method. I. Synthesis and solubility properties of human proinsulin C-peptide fragments Design of the synthetic route for peptides and proteins based on the solubility prediction method. I. Synthesis and so"
BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN 59(8), 2433-8 CODEN: BCSJA8; ISSN: 0009-2673, 1986, XP008036262 figure 1

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International Application No. PCT/ GB 03 /03571

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box 1.2

Claims Nos.:

Present claims 1-2 relate to a compound defined be reference to a desirable property, namely the functional ability of the N-terminus of the insulin C-peptide. Claims 15 and 16 relate to the first medical use of such a compound.

The claims 1-2 furthermore relate to the desirable property, namely being able to adopt a conformation wherein two acidic amino acids are being able to adopt a distance of 9-14. Claims 15 and 16 relate to spatially separated by a distance of 9-14.

the first medical use of such a compound. Claims 6, 8, 10 and 14 are dependent to claims 1 or 2 and introduce more desirable properties, namely that the peptide of invention is capable to adopt an -helical conformation (claim 6), or that the helix presents a conserved surface after addition of further amino acids to the peptides (claim 8) or that the two acidic amino acids within the claimed peptide are capable of interacting with a third acidic amino acid (claim 10) or that said two acidic amino acids are separated by 10-13 Claims 15 and 16 relate to the first medical use of such a compound. The claims cover all compounds having these properties, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for only a limited number of such compounds. In the present case, the claims so lack support and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the compounds by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to the compounds prepared in the examples and closely related ones.

The International Search Authority considered the term 'does not include native C-peptide of any species, used in claims 1,2,15 and 16 to be vague and unclear and thus leaving the reader in doubt as to the meaning of the technical features to which it refers, thereby rendering the definition of the subject-matter of said claims unclear (Article 6 PCT).

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be

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International application No. PCT/GB 03/03571

INTERNATIONAL	SEARCHIREPORT
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1. Claims Not.: because they relate to subject matter not required to be searched by this Authority, namely: 2. Claims Not.: because they relate to parts of the international papilostion that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically: 3. Claims Not.: because they are dependent claims and are no drafted in accordance with the second and third sentences of Rule 6.4(a). Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet) This international Searching Authority round multiple inventions in this international application, as follows: 1. As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims. 2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fees the required additional search less were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nots: 4. No required additional search fees were timely paid by the applicant, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nots.: Remark on Protest No protest accompanied the payment of additional search fees.	Box 1	Observations where	<u> · </u>	
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INTERNATIONAL SEARCH REPORT

International Application No

Inform	ation on patent (2)	family members			PCT/GB		03/03571
Palent document cited in search report	ument Publication		Pater mer		it family ber(s)		Publication date
WO 0012679 A	09-03-2		AU AU CA EP JP NZ NZ WO US	2003! 2003!	51031 52972 01267	9 A 4 A1 18 A1 18 T .2 A	13-11-2003 21-03-2000 09-03-2000 20-06-2003 02-04-2003 30-01-2004 19-12-2003 09-03-2000 13-04-2004
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